

- 1 1. A sheet-like blank to be folded into a container for storing and transporting ice and
2 food or beverages, said blank comprising:
3 a generally rectangular center panel having ends and sides;
4 a pair of integral, foldable, end panels adjacent ends of said center panel;
5 a pair of integral, foldable, side panel adjacent sides of said center panel;
6 an integral handle panel formed on each side panel, each handle panel comprising a
7 generally rectangular roof segment and an adjoining handle segment, the handle segments
8 comprising corners with locking tabs, and hand grip holes enabling carrying; and,
9 an integral locking panel formed on each end panel for engaging the handle panels
10 when the blank is folded, each locking panel comprising a pair of mirror image halves
11 adapted to be folded together, and each half comprising a receptive slot adapted to be
12 penetrated by said tabs when the blank is foldably transformed into said container.
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- 14 2. The blank as defined in claim 1 wherein after folding, each roof segment is disposed
15 horizontally and each handle segment is disposed vertically.
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- 17 3. The blank defined in claim 2 wherein the locking panels are coupled to the handle
18 segments in assembly, and are inclined relative to the roof segments.
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- 20 4. The blank as defined in claim 1 wherein the handle segments comprise a captivation
21 notch adjacent each locking tab for locking and captivating the locking panels.
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- 23 5. The blank as defined in claim 4 wherein the locking tabs on the handle panels are
24 radiused and comprise an enlarged radius portion that establishes an overcenter action.
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- 26 6. The blank as defined in claim 5 further comprising
27 a first pair of spaced apart, generally parallel score lines on said blank separating said
28 center panel from said end panels and said corner panels and enabling folding;
29 a second pair of spaced apart, generally parallel score lines generally perpendicular to
30 and intersecting said first pair of score lines, said second pair of score lines separating said
31 center panel from said side panels and corner panels; and,

1 wherein said center panel comprises a knock-down score line array for facilitating the
2 quick collapse of said cooler into a flattened configuration for convenient transport and
3 storage.

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5 7. A sheet-like blank to be folded into a container for storing and transporting ice and
6 food or beverages, said blank comprising:

7 a generally rectangular center panel having ends and sides;
8 a pair of integral, foldable end panels adjacent ends of said center panel;
9 a pair of integral, foldable side panels adjacent sides of said center panel;
10 an integral handle panel formed on each side panel, and each handle panel comprising
11 a generally rectangular roof segment and an adjoining handle segment with a fold line
12 therebetween, each handle segment comprising corners with locking tabs and hand grip holes
13 enabling carrying; and,

14 an integral locking panel formed on each end panel for engaging the handle panels
15 when the blank is folded, each locking panel when unfolded comprising an hourglass shape,
16 each locking panel comprising a pair of trapezoidal halves adapted to be folded together, and
17 each half comprising an elongated, receptive slot that is penetrated by said tabs when the
18 container is folded.

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20 8. The blank as defined in claim 7 wherein, after folding, each roof segment is disposed
21 horizontally and each handle segment is disposed vertically, and the locking panels are
22 coupled to the handle segments and inclined relative to the roof segments.

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24 9. The blank as defined in claim 8 wherein the handle segments comprise a captivation
25 notch adjacent each locking tab for captivating the locking panels.

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27 10. The blank as defined in claim 8 wherein the locking tabs on the handle panels are
28 radiused and comprise an enlarged radius portion that establishes an overcenter action.

1 11. The blank as defined in claim 10 further comprising
2 a first pair of spaced apart, generally parallel score lines on said blank separating said
3 center panel from said end panels and said corner panels and enabling folding;
4 a second pair of spaced apart, generally parallel score lines generally perpendicular to
5 and intersecting said first pair of score lines, said second pair of score lines separating said
6 center panel from said side panels and corner panels; and,
7 wherein said center panel comprises a knock-down score line array for facilitating the
8 quick collapse of said cooler into a flattened configuration for convenient transport and
9 storage.

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11 12. A container for storing and transporting ice and food or beverages, said container
12 foldably erected from a sheet-like blank and comprising:

13 a generally rectangular bottom formed from a center panel of the blank, the center
14 panel having ends and sides;

15 a pair of parallel, spaced apart ends formed from blank end panels located adjacent
16 ends of said blank center panel;

17 a pair of parallel, spaced apart sides formed from blank side panels located adjacent
18 sides of said blank center panel;

19 an integral handle formed from abutting handle panels on each side panel of said
20 blank, each handle panel comprising a generally rectangular roof segment and an adjoining
21 handle segment, the roof segments forming the container top and the handle segments
22 comprising corners with locking tabs and hand grip holes enabling carrying; and,

23 integral locks formed from locking panels formed on each blank end panel for
24 engaging the handle when the blank is folded, each locking panel comprising a pair of mirror
25 image halves adapted to be folded together, and each half comprising a receptive slot adapted
26 to be penetrated by said locking tabs when the container is foldably erected from said blank.

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28 13. The container as defined in claim 12 wherein after folding, each roof segment is
29 disposed horizontally and each handle segment is disposed vertically.

1 14. The container defined in claim 13 wherein the locking panels are coupled to the
2 handle segments in assembly, and are inclined relative to the roof segments.

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4 15. The container as defined in claim 12 wherein the handle segments comprise a
5 captivation notch adjacent each locking tab for locking and captivating the locking panels.

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7 16. The container as defined in claim 15 wherein the locking tabs on the handle panels are
8 radiused and comprise an enlarged radius portion that establishes an overcenter action.

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10 17. A container for storing and transporting ice and food or beverages, said container
11 foldably erected from a sheet-like blank and comprising:

12 a generally rectangular bottom formed from a center panel of the blank, the center
13 panel having ends and sides;

14 a pair of parallel, spaced apart ends formed from blank end panels located adjacent
15 ends of said blank center panel;

16 a pair of parallel, spaced apart sides formed from blank side panels located adjacent
17 sides of said blank center panel;

18 an integral handle formed from abutting handle panels formed on each side panel of
19 said blank, each handle panel comprising a generally rectangular roof segment and an
20 adjoining handle segment with a fold line therebetween, the roof segments forming the
21 container top and the handle segments comprising corners with locking tabs and hand grip
22 holes enabling carrying; and,

23 integral locks formed from locking panels formed on each blank end panel for
24 engaging the handle when the blank is folded, each locking panel comprising a pair of
25 trapezoid-shaped halves adapted to be folded together, and each half comprising an elongated
26 tab-receptive slot adapted to be penetrated by said locking tabs when the container is foldably
27 erected from said blank.

1 18. The container as defined in claim 17 wherein each roof segment is disposed
2 horizontally and each handle segment is disposed vertically, and the locking panels are
3 coupled to the handle segments and inclined relative to the roof segments at an acute angle
4 between forty and fifty degrees.

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6 19. The container as defined in claim 18 wherein the handle segments comprise a
7 captivation notch adjacent each locking tab for captivating the locking panels.

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9 20. The container as defined in claim 19 wherein the locking tabs on the handle panels are
10 radiused and comprise an enlarged radius portion that establishes an overcenter action.

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